

ABSTRACT OF THE DISCLOSURE

The invention relates to a device and a method of controlling a welding apparatus (1) and the components of a welding system, whereby individual welding parameters can be set in the form of a welding job (35 to 39) by ~~means of~~ a first control unit (22) hard-wired to or integrated in the welding apparatus (1), ~~and several such welding jobs (35 to 39) can be stored in a memory device (28) and, by selecting a welding job (35 to 39) by means of the first control unit (22),~~ the welding apparatus (1) ~~and or~~ the components of the welding system are activated ~~on the basis of the parameters stored therein by a control system (4), and when a second control unit (29) is operated, a start signal is sent to the control system (4) in order to start the welding operation on the basis of the stored parameters.~~ The ~~start signal or a control signal is thus generated by the push-button element (30) of the second control unit (29) and, before the welding operation is started, a selection or switch is made between the individual stored welding jobs (35 to 39) by means of the~~ will be stored in such a defined sequence that the operator creates a control signal in a standardized control sequence at the second control unit so that one of the stored jobs can be chosen. Afterwards the welding operation will be started by creating a ~~and/or if the start signal is generated by means of the same push-button element (30), a start-up of the welding operation is run~~ second control unit.